

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: LEBERER, Ekkehard

Appl. No.: 09/758,036

Filing Date: January 11, 2001

Title: Potassium Channel Mutants of the Yeast *Saccharomyces Cerevisiae* and their use for Screening Eukaryotic Potassium Channels



Attorney Docket No.: 38005-0126

Confirmation No.: 8288

Examiner: Not yet assigned

Art Unit: 1645

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56 and 37 CFR §1.97**

Director of Patents
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO/SB/08A is a listing of documents known to applicants in order to comply with applicants' duty of disclosure pursuant to 37 C.F.R. §1.56 and §1.97. A copy of each of the listed documents are being submitted to comply with the provisions of 37 C.F.R. §1.97-1.99. A complete copy of references A28 and A42 were unavailable at the time of filing this Information Disclosure Statement. The applicant will submit a copy of these references in due course.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

TIMING/FEE

The instant Information Disclosure Statement is being filed in compliance with 37 CFR §1.97(b) prior to the mailing date of the first official action, therefore, no fee is required in connection with its filing.

Attorney Docket No. 38005-0126

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08A be returned in accordance with M.P.E.P. §609.

Respectfully submitted,

Date: June 11, 2001By Patricia D. Granados

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STATEMENT BY APPLICANT**

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Sheet 1 of 4

Complete if Known

Application Number	09/758,036
Filing Date	January 11, 2001
First Named Inventor	Ekkehard LEBERER
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	38005-0126

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A01 ✓	CURRAN, M.E., et al; "Molecular cloning, characterization, and genomic localization of a human potassium channel gene"; Genomics; 1992; pp. 729-737; Vol. 12; Academic Press, Inc.	
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	A11 ✓	JAN, L.Y. et al; "Cloned potassium channels from eukaryotes and prokaryotes"; Annu. Rev. Neurosci.; 1997; pp 91-123; Vol. 20; Annual Reviews Inc.	
	A12 ✓	JELACIC, T.M. et al; "Functional expression and characterization of G-protein-gated inwardly rectifying K ⁺ channels containing GIRK3" J. Membr. Biol. 1999; pp 123-129; Vol. 169; Springer-Verlag New York Inc.; 1999	

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Sheet 2 of 4

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Filing Date	January 11, 2001
First Named Inventor	Ekkehard LEBERER
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	38005-0126

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A13	KETCHUM, K.A. et al; "A new family of outwardly rectifying potassium channel proteins with two pore domains in tandem"; Nature; August 24, 1995; pp 690-695; Vol. 376	
	A14	KO, C.H. et al; "TRK2 is required for low affinity K ⁺ Transport in Saccharomyces cerevisiae"; Genetics; June 1990; pp 305-312; Vol. 125; The Genetics Society of America	
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		Filing Date	January 11, 2001
		First Named Inventor	Ekkehard LEBERER
		Group Art Unit	1645
		Examiner Name	Unassigned
Sheet 3 of 4	Attorney Docket Number	38005-0126	

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A25	SANGUINETTI, M.C. et al; "Molecular physiology of cardiac delayed rectifier K ⁺ channels" Heart Vessels; 1997; pp 170-172; Vol. 12; Springer-Verlag 1997	
	A26	SCHREIBMAYER, W. et al; "Inhibition of an inwardly rectifying K ⁺ channel by G-protein alpha-subunits"; Nature; 1996; pp 624-627; Vol. 380	
	A27	SMITH, F.W. et al; "Plant members of a family of sulfate transporters reveal functional subtypes"; Proc. Natl. Acad. Sci. U.S.A.; 1995; pp 9373-9377; Vol. 92	
	A28	SNYDERS, D.J. et al; "A rapidly activating and slowly inactivating potassium channel cloned from human heart. Functional analysis after stable mammalian cell culture expression"; J. Gen Physiol.; 1993; pp 513-543; Vol. 101	
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	A32	WANG, Q. et al; "Genetics, molecular mechanisms and management of long QT syndrome"; Ann. Med.; 1998; pp 58-65; Vol. 30; The Finnish Medical Society Duodecim	
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	A35	YAMADA, M. et al; "G Protein regulation of potassium ion channels"; Pharmacol. Rev.; 1998; pp 723-760; Vol. 50; The American Society for Pharmacology and Experimental Therapeutics; United States	
	A36	BOCK, J.H. et al; "Nucleotide sequence analysis of the human KCNJ1 potassium channel locus"; Gene; 1997; pp 9-16; Vol. 188; Elsevier Science B.V.	

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	A37	DELPON, E. et al; "Blockade of cardiac potassium and other channels by antihistamines"; Drug Safety; 1999; pp 11-18; Vol. 1; Adis International Limited.	
	A38	DRICI, M.D. et al; "Cardiac K ⁺ channels and drug-acquired long QT syndrome" Therapie; 2000; pp 185-193; Vol. 55	
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	A41	KOBAYASHI, T. et al; "Inhibition by various antipsychotic drugs of the G-protein-activated inwardly rectifying K(+) (GIRK) channels expressed in xenopus oocytes"; Br. J. Pharmacol; 2000; pp 1716-1722; Vol. 129; Macmillian Publishers Ltd.	
	A42	RICHELSON, E. "Preclinical pharmacology of neuroleptics: focus on new generation compounds"; J. Clin. Psychiatry; 1996; pp 4-11; Vol. 57; Suppl. 11	
	A43	RICHELSON, E. ; "Receptor pharmacology of neuroleptics: relation to clinical effects"; J. Clin. Psychiatry; 1999; pp. 5-14; Vol. 60; Suppl. 10	
	A44	SHUCK, M.E. et al; "Cloning and characterization of multiple forms of the human kidney ROM-K potassium channel"; J. Biol. Chem.; 1994; pp 24261-24270; Vol. 269; "The American Society for Biochemistry and Molecular Biology, Inc.; United States	
	A45	TAGLIALATELA, M. et al; "Cardiac ion channels and antihistamines: possible mechanisms of cardiotoxicity"; Clin. Exp. Allergy; 1999; pp 182-189; Vol. 29; Suppl. 3; Blackwell Science Ltd.	

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Signature

/Michele K. Joike/

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